

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2009/10/22 12:01
		126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2009/10/22 09:17
		S14 near S15	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:29
S1	4478	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:33
S2	19	("1959302"   "4043317"   "4219009"   "4269167"   "4282857"   "4399319"   "4413615"   "4557252"   "5310594").PN	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:24
S3	1463272	valve	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:27
S4	326854	reservoir	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:24
S5	153411	solar	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:24

S6	2999	S3 and S4 and S5	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:27
S7	105918	"closed loop"	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:26
S8	415	S6 and S7	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:27
S9	1466538	valve or dampener	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:33
S10	3003	S9 and S4 and S5	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:29
S11	415	S10 and S7	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:30
S12	495003	valves or dampeners	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:28
S13	2086	S12 and S4 and S5	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/07 18:28
S14	1581618	valve or dampener	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:29
S15	604621	inlet and outlet	US:PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:29

S16	83318	((inlet and outlet) near5 (valve or dampener)	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:29
S17	426	S16 and S4 and S5	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:32
S18	83	S17 and S7	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:32
S19	4115	non\$condensable near3 gas	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:31
S20	0	S18 and S19	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:32
S21	4201	(noncondensable or non-condensable or "non condensable") near3 gas	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:31
S22	0	S18 and S21	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:32
S23	0	S2 and S18	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:33
S24	16348	S16 and S4	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:32
S25	0	S2 and S24	US_PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2006/03/07 18:32

S26	1581618	valve or dampener	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2006/03/07 18:33
S27	4532	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/08/03 13:50
S28	5	S27 and S18	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:39
S29	562704	pressure and vacuum	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:39
S30	726	(pressure and vacuum) near3 relief near3 valve	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:40
S31	21284	(overflow or recovery) near3 (reservoir or tank)	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:40
S32	57	S30 and S31	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:41
S33	166212	solar	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:41
S34	2	S33 and S32	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2007/02/15 09:41
S35	8	"085175"	US:PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB	OR	ON	2007/08/03 11:24

S36	4638	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/08 13:51
S37	4742	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/16 16:43
S38	1	10/085175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/17 10:01
S39	2042	heat near3 transfer near3 loop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:12
S40	489710	"keep out" or exclud\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13
S41	3474578	air	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13
S42	546915	rust or corrosion or corrosion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13
S43	13730	S40 with S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13
S44	0	S39 same S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13
S45	143	"0" same S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:13

S46	152	S42 same S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:14
S47	0	S39 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:14
S48	298817	heat near3 transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:14
S49	31	S46 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:14
S50	9810	(keep near4 air near4 out) or (exclud\$4 near3 air)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:18
S51	1	S39 same S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:19
S52	5	S39 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:19
S53	4	"3677336" pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:21
S54	1	S52 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/17 11:22
S55	4799	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/06 15:09

S56	4838	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2009/10/22 13:17
S57	4895	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/03/22 15:27
S58	4898	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/03/30 16:16
S59	1	10/085175	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/03/30 17:20
S60	4931	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/07/12 15:48
S61	4985	126/570,588,589,598,599,634,642,646,641,635,645,643;138/137,151,161;174/47.ccls.	US-PGPUB; USPAT, EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/11/12 13:57

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	27268	{solar}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 09:59
L5	40828	{heat near3 transfer}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 09:59
L6	339148	{valve}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:00
L7	21471	{damper}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:01
L8	357225	6 or 7	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:01
L9	396	4 and 5 and 8	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:01
L10	69652	{overflow or recovery}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:01
L11	490316	9a dn 10	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:01
L12	74	9 and 10	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:02
L13	179809	{reservoir or tank}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:02
L14	4889	10 near5 13	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:02
L15	50	12 and 14	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 10:02

L16	24	12 not 15	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 11:50
L17	322	9 not 12	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/16 12:11

11/16/10 1:21:55 PM

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